

1 1. In a decision-support system having a knowledge module and a patient
2 module, a method for delivering decision-supported patient data of a patient to a mobile
3 user module accessible by a clinician in a controlled and repeatable manner, the method
4 comprising the steps of:

5 (a) analyzing data stored in a patient module to identify patient data of
6 each patient that a clinician is to examine in a defined period;

7 (b) evaluating the patient data with data stored in a knowledge module
8 to generate decision-supported patient data for each patient that is to be examined
9 within the defined period; and

10 (c) with the mobile user module, presenting the clinician with decision-
11 supported patient data for each patient that the clinician is to examine in a
12 configuration that assists the clinician in treating each patient.

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14 2. A method as recited in claim 1, further comprising the step of transmitting
15 the decision-supported patient data to the user module.

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17 3. A method as recited in claim 1, further comprising the step of storing
18 patient data relevant to each patient that the clinician is to examine within the user module.

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20 4. A method as recited in claim 1, wherein the step of presenting decision-
21 supported patient data is performed in at least one of real-time and perceived real-time.

1 5. A method as recited in claim 1, wherein the knowledge module comprises
2 at least one database containing expert medical data.

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4 6. A method as recited in claim 1, wherein the analyzing step comprises:

- 5 (a) identifying each patient that the clinician is to examine;
6 (b) searching for patient data stored in the patient module that is
7 associated with each patient; and
8 (c) collecting the stored patient data for each patient.

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10 7. A method as recited in claim 5, wherein the step of searching comprising:

- 11 (a) searching a decision-support module; and
12 (b) searching a medical module.

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14 8. A method as recited in claim 1, wherein the evaluating step comprises
15 evaluating the patient data against an insurance carrier, a plurality of database modules, a
16 medical module, a third-party module, or a user module.

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18 9. A method as recited in claim 1, further comprising the step of collecting
19 patient data.

1 10. A method as recited in claim 8, wherein the collecting step comprises the
2 step of gathering patient data via a user interface, wherein the user interface is a graphical
3 user interface, an interactive user interface, a voice recognition user interface or a textual
4 user interface.

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6 11. A computer-readable medium having computer-executable instructions for
7 performing the steps recited in claim 1.
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1 12. A computer program product for implementing a method for transceiving
2 data between a decision-support module and a user module, the computer program product
3 comprising:

4 at least one computer readable medium carrying computer-executable
5 instructions for implementing the method, wherein the computer-executable
6 instructions comprise:

7 program code means for analyzing patient data to identify current
8 patient data of each patient that a clinician is to examine in a defined time
9 period;

10 program code means for evaluating the current patient data with the
11 knowledge base to generate decision-supported patient data for each patient
12 that is to be examined within the defined time period, the decision-
13 supported patient data capable of being transmitted to a user module
14 accessible by the clinician; and

15 program code means for presenting the clinician with decision-
16 supported patient data specific to each patient that the clinician examines in
17 a configuration that assists the clinician in treating each patient.

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19 13. A computer program product as recited in claim 12, wherein the program
20 code means for analyzing the patient data and the program code means for evaluating the
21 current patient data are contained on one of the at least one computer readable medium.
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1 14. A computer program product as recited in claim 12, further comprising
2 program code means for transmitting the decision-supported patient data to the user
3 module.

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5 15. A computer program product as recited in claim 12, further comprising
6 program code means for storing patient data relevant to each patient that the clinician is to
7 examine within the user module.

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9 16. A computer program product as recited in claim 12, wherein the knowledge
10 base comprises at least one database containing expert medical information.

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12 17. A computer program product as recited in claim 12, wherein the program
13 code means for analyzing comprises:

14 (a) program code means for identifying each patient that the clinician is
15 to examine;

16 (b) program code means for searching the stored patient data for data
17 associated with each patient; and

18 (c) program code means for collecting the stored patient data for each
19 patient.
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1 18. A computer program product as recited in claim 17, wherein the program
2 code means for searching comprises:

- 3 (a) program code means for searching a decision-support module; and
4 (b) program code means for searching a medical module.
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6 19. A computer program product as recited in claim 12, wherein the program
7 code means for evaluating comprises program code means for evaluating the current
8 patient data against modules selected from the group consisting of (i) an insurance carrier,
9 (ii) a plurality of database modules, (iii) a medical module, (iv) a third-party module, and
10 (v) a user module.
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12 20. A computer program product as recited in claim 12, further comprising
13 program code means for collecting patient data.
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15 21. A computer program product as recited in claim 20, wherein the program
16 code means for collecting comprises program code means for gathering patient data via a
17 user interface, wherein the user interface is a graphical user interface, an interactive user
18 interface, a voice recognition user interface or a textual user interface.
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- 1 22. In a decision-support system having a knowledge base, a method for
2 delivering decision-supported patient data of a patient to a user module accessible by a
3 clinician in a controlled and repeatable manner, the method comprising the steps of:
- 4 (a) analyzing patient data to identify current patient data of each patient
5 that a clinician is to examine in a defined time period;
- 6 (b) evaluating the current patient data with the knowledge base to
7 generate decision-supported patient data for each patient that is to be examined
8 within the defined time period,
- 9 (c) delivering the decision-supported patient data to a mobile user
10 module accessible by the clinician, the mobile user module allowing the clinician to
11 view the decision-supported patient data specific to each patient that the clinician is
12 to examine in a configuration that assists the clinician in treating each patient.

1 23. In a decision-support system having a knowledge base, a method for
2 delivering decision-supported patient data of a patient to a user module accessible by a
3 clinician in a controlled and repeatable manner, the method comprising the steps of:

4 (a) identifying at least one patient that a clinician is to examine in a
5 defined time period and;

6 (b) delivering data representative of the at least one patient to a
7 decision-support module such that the decision-support module gathers the current
8 patient data relative to the at least one patient and evaluates the current patient data
9 with the knowledge base to generate decision-supported patient data for each
10 patient that is to be examined within the defined time period, the decision-
11 supported patient data capable of being transmitted to a user module accessible by
12 the clinician; and

13 (c) presenting the clinician with decision-supported patient data,
14 specific to each patient that the clinician is to examine, received from the decision-
15 support module in a configuration that assists the clinician in treating each patient.

1 24. A decision-support system, comprising:

2 (a) a decision-support module configured to generate decision-
3 supported patient data specific to each patient that a clinician is to examine in a
4 defined time period; and

5 (b) a user module remotely located from the decision-support module
6 and being configured to communicate with the decision-support module, the mobile
7 user module comprising a user interface configured to display the decision-
8 supported patient data to the clinician in a configuration that assists the clinician in
9 treating each patient.

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11 25. A system as recited in claim 24, wherein the decision-support module
12 comprises a knowledge module, the knowledge module comprising a plurality of
13 databases.

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15 26. A system as recited in claim 24, wherein the decision-support module
16 comprises a patient module, the patient module comprising patient data.

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18 27. A system as recited in claim 24, wherein the decision-support module
19 communicates with a medical module to generate the decision-supported patient data.

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21 28. A system as recited in claim 27, wherein the medical module comprises a
22 plurality of ancillary modules.

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29. A system as recited in claim 28, wherein the medical module comprises a knowledge module and a patient module.

30. A system as recited in claim 24, wherein decision-support module receives patient data from the user module.

31. A system as recited in claim 24 wherein the user module communicates with the decision-support module by way of a communication protocol selected from the group consisting of (i) a connection orientated protocol and (ii) a connectionless network protocol.

1 32. A decision-support system for providing a clinician with real-time patient
2 data specific to each patient that the clinician is to examine in a defined time period,
3 comprising:

4 (a) a decision-support module configured to generate decision-
5 supported patient data specific to each patient that a clinician is to examine in a
6 defined time period, the decision-support module comprising an inference engine
7 that communicates with a knowledge module and a patient module; and

8 (b) a mobile user module in real-time communication with the decision-
9 support module and adapted to present the decision-supported patient data in real-
10 time to the clinician.

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12 33. A system as recited in claim 32, wherein the knowledge module comprises
13 a plurality of databases.

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15 34. A system as recited in claim 32, wherein the decision-support module
16 communicates with the user module via a network.

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18 35. A system as recited in claim 34, wherein the network is selected from a
19 group consisting of (i) a local area network, (ii) a wide area network, (iii) a wireless
20 network, (iv) a packetized network, and (v) a real-time network.

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22 36. A system as recited in claim 32, wherein the decision-support module
23 communicates with a medical module to generate the decision-supported patient data.
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37. A system as recited in claim 34, wherein the medical module comprises a plurality of ancillary modules.

38. A system as recited in claim 32, wherein decision-support module receives patient data from the user module.

WORKMAN, NYDEGGER & SEELEY

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A PROFESSIONAL CORPORATION
ATTORNEYS AT LAW
1000 EAGLE GATE TOWER
60 EAST SOUTH TEMPLE
SALT LAKE CITY, UTAH 84111